

## RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical  
Information Center (STIC) no errors detected.

Application Serial Number: 10/538,195  
Source: TEVP  
Date Processed by STIC: 5-17-06

# ***ENTERED***



IFWP

## RAW SEQUENCE LISTING

DATE: 05/17/2006

PATENT APPLICATION: US/10/538,195

TIME: 10:31:23

Input Set : F:\As filed.txt

Output Set: N:\CRF4\05172006\J538195.raw

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3 <110> APPLICANT: ARES TRADING S.A
5 <120> TITLE OF INVENTION: MIDKINE-LIKE PROTEIN
7 <130> FILE REFERENCE: P032650WO
C--> 9 <140> CURRENT APPLICATION NUMBER: US/10/538,195
C--> 10 <141> CURRENT FILING DATE: 2005-06-09
12 <150> PRIOR APPLICATION NUMBER: GB0228773.1
13 <151> PRIOR FILING DATE: 2002-12-10
15 <160> NUMBER OF SEQ ID NOS: 26
17 <170> SOFTWARE: SeqWin99, version 1.02
19 <210> SEQ ID NO: 1
20 <211> LENGTH: 227
21 <212> TYPE: DNA
22 <213> ORGANISM: Homo Sapiens
24 <400> SEQUENCE: 1
25 ccgactgcaa gtacaagttt gagaactggg gtgcgtgtga tgggggcaca ggcaccaaag      60
26 tccgccaagg caccctgaag aaggcgcgct acaatgctca gtgccaggag accatccgcg      120
27 tcaccaagcc ctgcaccccc aagaccaaag caaaggccaa aggtcagcga aaggagaagg      180
28 ggggtggggt gtcgcggggg gctgcccccc cccccccc cctgtga                    227
30 <210> SEQ ID NO: 2
31 <211> LENGTH: 74
32 <212> TYPE: PRT
33 <213> ORGANISM: Homo sapiens
35 <400> SEQUENCE: 2
36 Asp Cys Lys Tyr Lys Phe Glu Asn Trp Gly Ala Cys Asp Gly Gly Thr
37 1           5           10           15
39 Gly Thr Lys Val Arg Gln Gly Thr Leu Lys Lys Ala Arg Tyr Asn Ala
40           20           25           30
42 Gln Cys Gln Glu Thr Ile Arg Val Thr Lys Pro Cys Thr Pro Lys Thr
43           35           40           45
45 Lys Ala Lys Ala Lys Gly Gln Arg Lys Glu Lys Gly Val Gly Leu Ser
46           50           55           60
48 Arg Gly Ala Ala Pro Pro Pro Pro Arg Leu
49 65           70
51 <210> SEQ ID NO: 3
52 <211> LENGTH: 471
53 <212> TYPE: DNA
54 <213> ORGANISM: Homo sapiens
56 <400> SEQUENCE: 3
57 atgcagcacc gaggttccct cctcctcacc ctctcgccc tgctggcgct cacctccgcg      60
58 gtcgcaaaaa agaaagataa ggtgaagaag ggcggcccgg ggagcgagtg cgctgagtgg      120
59 gcctgggggc cctgcacccc cagcagcaag gattgcggcg tgggtttccg cgagggcacc      180
60 tgcggggccc agaccagcg catccggtgc aggggtgccct gcaactggaa gaaggagttt      240
61 ggagccgact gcaagtacaa gtttgagaac tggggtgcgt gtgatggggg cacaggcacc      300

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62 aaagtcgcgc aaggcaccct gaagaaggcg cgctacaatg ctcagtgccca ggagaccatc 360
63 cgcgtcacca agccctgcac cccaagacc aaagcaaagg ccaaagggtca gcgaaaggag 420
64 aagggggtgg ggctgtcgcg gggggctgcc ccccccccc cccgctgtg a 471
66 <210> SEQ ID NO: 4
67 <211> LENGTH: 156
68 <212> TYPE: PRT
69 <213> ORGANISM: Homo sapiens
71 <400> SEQUENCE: 4
72 Met Gln His Arg Gly Phe Leu Leu Leu Thr Leu Leu Ala Leu Leu Ala
73 1 5 10 15
75 Leu Thr Ser Ala Val Ala Lys Lys Lys Asp Lys Val Lys Lys Gly Gly
76 20 25 30
78 Pro Gly Ser Glu Cys Ala Glu Trp Ala Trp Gly Pro Cys Thr Pro Ser
79 35 40 45
81 Ser Lys Asp Cys Gly Val Gly Phe Arg Glu Gly Thr Cys Gly Ala Gln
82 50 55 60
84 Thr Gln Arg Ile Arg Cys Arg Val Pro Cys Asn Trp Lys Lys Glu Phe
85 65 70 75 80
87 Gly Ala Asp Cys Lys Tyr Lys Phe Glu Asn Trp Gly Ala Cys Asp Gly
88 85 90 95
90 Gly Thr Gly Thr Lys Val Arg Gln Gly Thr Leu Lys Lys Ala Arg Tyr
91 100 105 110
93 Asn Ala Gln Cys Gln Glu Thr Ile Arg Val Thr Lys Pro Cys Thr Pro
94 115 120 125
96 Lys Thr Lys Ala Lys Ala Lys Gly Gln Arg Lys Glu Lys Gly Val Gly
97 130 135 140
99 Leu Ser Arg Gly Ala Ala Pro Pro Pro Pro Arg Leu
100 145 150 155
102 <210> SEQ ID NO: 5
103 <211> LENGTH: 405
104 <212> TYPE: DNA
105 <213> ORGANISM: Homo sapiens
107 <400> SEQUENCE: 5
108 aaaaagaaag ataaggtgaa gaagggcggc ccggggagcg agtgcgctga gtgggcctgg 60
109 gggccctgca cccccagcag caaggattgc ggcgtgggtt tccgcgaggg cacctgcggg 120
110 gcccagaccc agcgcacccg gtgcagggtg ccctgcaact ggaagaagga gtttggagcc 180
111 gactgcaagt acaagtttga gaactggggt gcgtgtgatg ggggcacagg caccaaagtc 240
112 cgccaaggca ccctgaagaa ggcgcgctac aatgctcagt gccaggagac catccgcgtc 300
113 accaagccct gcacccccaa gaccaaagca aaggccaaag gtcagcgaag ggagaagggg 360
114 gtggggctgt cgcggggggc tgcccccccc ccccccgcc tgtga 405
116 <210> SEQ ID NO: 6
117 <211> LENGTH: 134
118 <212> TYPE: PRT
119 <213> ORGANISM: Homo sapiens
121 <400> SEQUENCE: 6
122 Lys Lys Lys Asp Lys Val Lys Lys Gly Gly Pro Gly Ser Glu Cys Ala
123 1 5 10 15
125 Glu Trp Ala Trp Gly Pro Cys Thr Pro Ser Ser Lys Asp Cys Gly Val
126 20 25 30

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128 Gly Phe Arg Glu Gly Thr Cys Gly Ala Gln Thr Gln Arg Ile Arg Cys
129          35          40          45
131 Arg Val Pro Cys Asn Trp Lys Lys Glu Phe Gly Ala Asp Cys Lys Tyr
132          50          55          60
134 Lys Phe Glu Asn Trp Gly Ala Cys Asp Gly Gly Thr Gly Thr Lys Val
135 65          70          75          80
137 Arg Gln Gly Thr Leu Lys Lys Ala Arg Tyr Asn Ala Gln Cys Gln Glu
138          85          90          95
140 Thr Ile Arg Val Thr Lys Pro Cys Thr Pro Lys Thr Lys Ala Lys Ala
141          100          105          110
143 Lys Gly Gln Arg Lys Glu Lys Gly Val Gly Leu Ser Arg Gly Ala Ala
144          115          120          125
146 Pro Pro Pro Pro Arg Leu
147          130
149 <210> SEQ ID NO: 7
150 <211> LENGTH: 65
151 <212> TYPE: DNA
152 <213> ORGANISM: Homo sapiens
154 <400> SEQUENCE: 7
155 gtcagcga aaa ggagaagggg gtggggctgt cgcggggggc tgcccccccc ccccccgcc 60
156 tgtga 65
158 <210> SEQ ID NO: 8
159 <211> LENGTH: 21
160 <212> TYPE: PRT
161 <213> ORGANISM: Homo sapiens
163 <400> SEQUENCE: 8
164 Gly Gln Arg Lys Glu Lys Gly Val Gly Leu Ser Arg Gly Ala Ala Pro
165 1          5          10          15
167 Pro Pro Pro Pro Arg Leu
168          20
170 <210> SEQ ID NO: 9
171 <211> LENGTH: 26
172 <212> TYPE: DNA
173 <213> ORGANISM: Homo sapiens
175 <400> SEQUENCE: 9
176 ccaagaaagg gaagggaaag gactag 26
178 <210> SEQ ID NO: 10
179 <211> LENGTH: 8
180 <212> TYPE: PRT
181 <213> ORGANISM: Homo sapiens
183 <400> SEQUENCE: 10
184 Ala Lys Lys Gly Lys Gly Lys Asp
185 1          5
187 <210> SEQ ID NO: 11
188 <211> LENGTH: 432
189 <212> TYPE: DNA
190 <213> ORGANISM: Homo sapiens
192 <400> SEQUENCE: 11
193 atgcagcacc gaggcttctt cctctcacc ctctcgccc tgctggcgct cacctccgcg 60

```

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```

194 gtcgccaaaa agaaagataa ggtgaagaag ggcggcccg ggagcgagtg cgctgagtgg 120
195 gcctgggggc cctgcacccc cagcagcaag gattgcggcg tgggtttccg cgagggcacc 180
196 tgcggggccc agaccagcg catccggtgc aggggtgccct gcaactggaa gaaggagttt 240
197 ggagccgact gcaagtacaa gtttgagaac tggggtgcgt gtgatggggg cacaggcacc 300
198 aaagtccgcc aaggcaccct gaagaaggcg cgctacaatg ctcagtgccg ggagaccatc 360
199 cgcgtcacca agccctgcac ccccaagacc aaagcaaagg ccaaagccaa gaaagggaag 420
200 ggaaaggact ag 432
202 <210> SEQ ID NO: 12
203 <211> LENGTH: 143
204 <212> TYPE: PRT
205 <213> ORGANISM: Homo sapiens
207 <400> SEQUENCE: 12
208 Met Gln His Arg Gly Phe Leu Leu Leu Thr Leu Leu Ala Leu Leu Ala
209 1 5 10 15
211 Leu Thr Ser Ala Val Ala Lys Lys Lys Asp Lys Val Lys Lys Gly Gly
212 20 25 30
214 Pro Gly Ser Glu Cys Ala Glu Trp Ala Trp Gly Pro Cys Thr Pro Ser
215 35 40 45
217 Ser Lys Asp Cys Gly Val Gly Phe Arg Glu Gly Thr Cys Gly Ala Gln
218 50 55 60
220 Thr Gln Arg Ile Arg Cys Arg Val Pro Cys Asn Trp Lys Lys Glu Phe
221 65 70 75 80
223 Gly Ala Asp Cys Lys Tyr Lys Phe Glu Asn Trp Gly Ala Cys Asp Gly
224 85 90 95
226 Gly Thr Gly Thr Lys Val Arg Gln Gly Thr Leu Lys Lys Ala Arg Tyr
227 100 105 110
229 Asn Ala Gln Cys Gln Glu Thr Ile Arg Val Thr Lys Pro Cys Thr Pro
230 115 120 125
232 Lys Thr Lys Ala Lys Ala Lys Ala Lys Lys Gly Lys Gly Lys Asp
233 130 135 140
235 <210> SEQ ID NO: 13
236 <211> LENGTH: 22
237 <212> TYPE: DNA
238 <213> ORGANISM: Artificial Sequence
240 <220> FEATURE:
241 <223> OTHER INFORMATION: INSP106-CP1 Primer
243 <400> SEQUENCE: 13
244 caggatgcag caccgaggct tc 22
246 <210> SEQ ID NO: 14
247 <211> LENGTH: 22
248 <212> TYPE: DNA
249 <213> ORGANISM: Artificial Sequence
251 <220> FEATURE:
252 <223> OTHER INFORMATION: INSP106-CP2 Primer
254 <400> SEQUENCE: 14
255 gccaaagtgag gcgatgtcag ga 22
257 <210> SEQ ID NO: 15
258 <211> LENGTH: 19
259 <212> TYPE: DNA

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Input Set : F:\As filed.txt

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260 <213> ORGANISM: Artificial Sequence
262 <220> FEATURE:
263 <223> OTHER INFORMATION: INSP106-SP1 Primer
265 <400> SEQUENCE: 15
266 cctgcaactg gaagaagga 19
268 <210> SEQ ID NO: 16
269 <211> LENGTH: 20
270 <212> TYPE: DNA
271 <213> ORGANISM: Artificial Sequence
273 <220> FEATURE:
274 <223> OTHER INFORMATION: INSP106-SP2 Primer
276 <400> SEQUENCE: 16
277 ttggcggact ttggtgcctg 20
279 <210> SEQ ID NO: 17
280 <211> LENGTH: 35
281 <212> TYPE: DNA
282 <213> ORGANISM: Artificial Sequence
284 <220> FEATURE:
285 <223> OTHER INFORMATION: INSP106-EX1 Primer
287 <400> SEQUENCE: 17
288 gcaggcttcg ccaccatgca gcaccgaggc ttctt 35
290 <210> SEQ ID NO: 18
291 <211> LENGTH: 35
292 <212> TYPE: DNA
293 <213> ORGANISM: Artificial Sequence
295 <220> FEATURE:
296 <223> OTHER INFORMATION: INSP106-EX2 Primer
298 <400> SEQUENCE: 18
299 gtgatggtga tggcgcaggc gtggaggtgg ggggg 35
301 <210> SEQ ID NO: 19
302 <211> LENGTH: 37
303 <212> TYPE: DNA
304 <213> ORGANISM: Artificial Sequence
306 <220> FEATURE:
307 <223> OTHER INFORMATION: GCP Forward Primer
309 <400> SEQUENCE: 19
310 ggggacaagt ttgtacaaaa aagcaggctt cgccacc 37
312 <210> SEQ ID NO: 20
313 <211> LENGTH: 51
314 <212> TYPE: DNA
315 <213> ORGANISM: Artificial Sequence
317 <220> FEATURE:
318 <223> OTHER INFORMATION: GCP Reverse Primer
320 <400> SEQUENCE: 20
321 ggggaccact ttgtacaaga aagctggggt tcaatggtga tggatggtg g 51
323 <210> SEQ ID NO: 21
324 <211> LENGTH: 20
325 <212> TYPE: DNA
326 <213> ORGANISM: Artificial Sequence

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**VERIFICATION SUMMARY**

PATENT APPLICATION: US/10/538,195

DATE: 05/17/2006

TIME: 10:31:24

Input Set : F:\As filed.txt

Output Set: N:\CRF4\05172006\J538195.raw

L:9 M:270 C: Current Application Number differs, Replaced Current Application Number

L:10 M:271 C: Current Filing Date differs, Replaced Current Filing Date